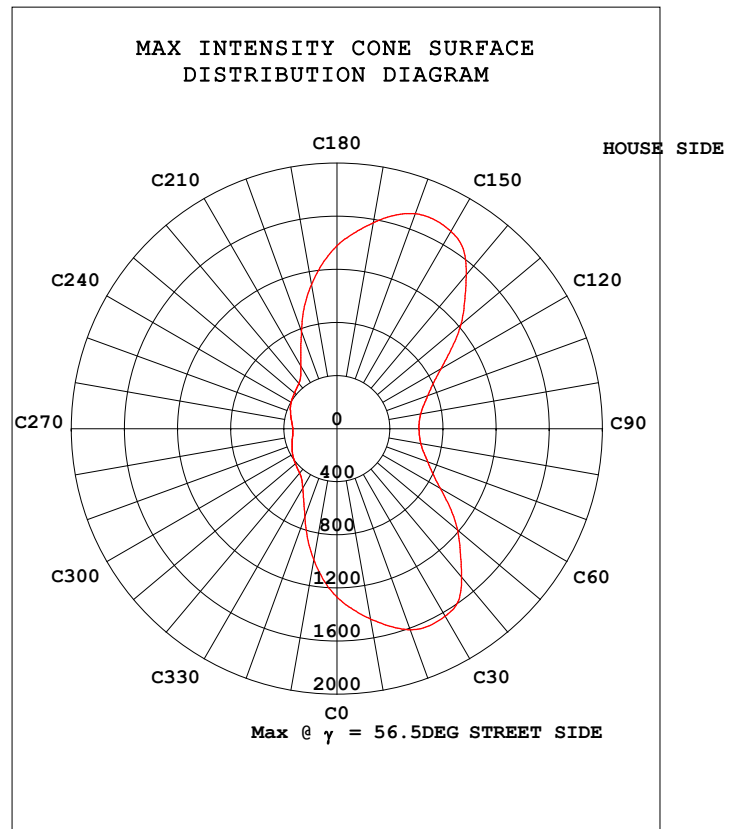
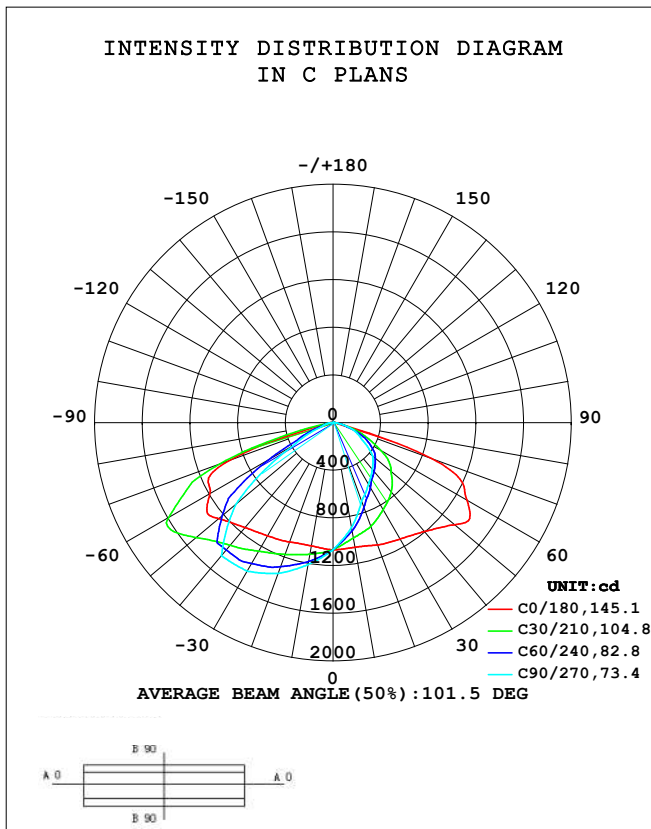


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.1173A P:25.36W PF:0.9792 Lamp Flux:3951.65x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.84 lm/W			
MODEL	LED	Imax (cd)	1737	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	25	LOR (%)	100.0	$\eta$ street_down (%)	50.4
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3952	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	3951.65	MAXIMUM @ (C, $\gamma$ )	155,56.5	$\eta$ house_down (%)	49.6
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	16.547



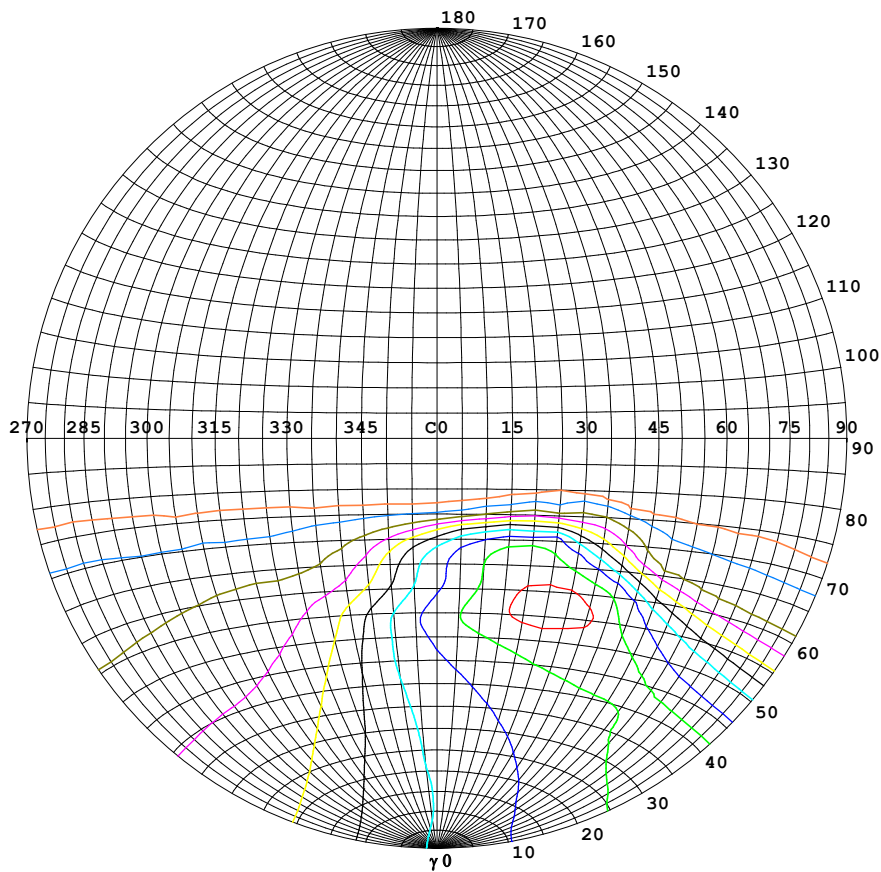
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.1173A P:25.36W PF:0.9792 Lamp Flux:3951.65x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



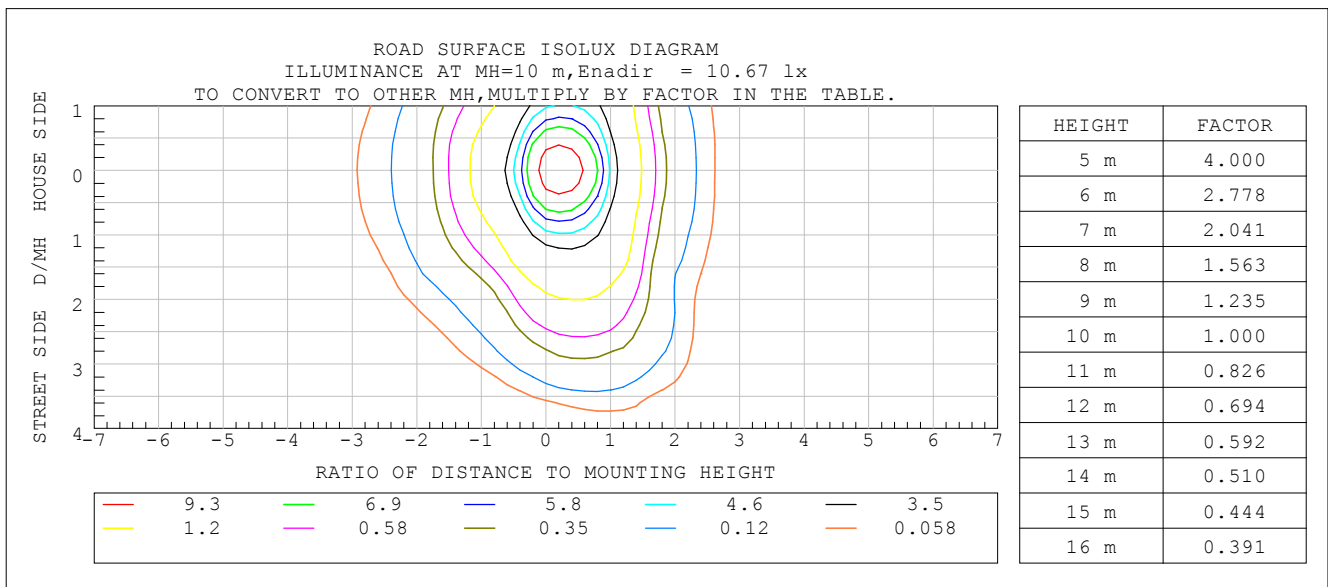
## Classification:

IES:Type IV - Short  
CIE:Average - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:22.79cd/klm  
Max.At90:3.815cd/klm  
Max.80-90:22.79cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	1737
90%	1564
80%	1390
70%	1216
60%	1042
50%	869
40%	695
30%	521
20%	347
10%	174
5%	87

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.1173A P:25.36W PF:0.9792 Lamp Flux:3951.65x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

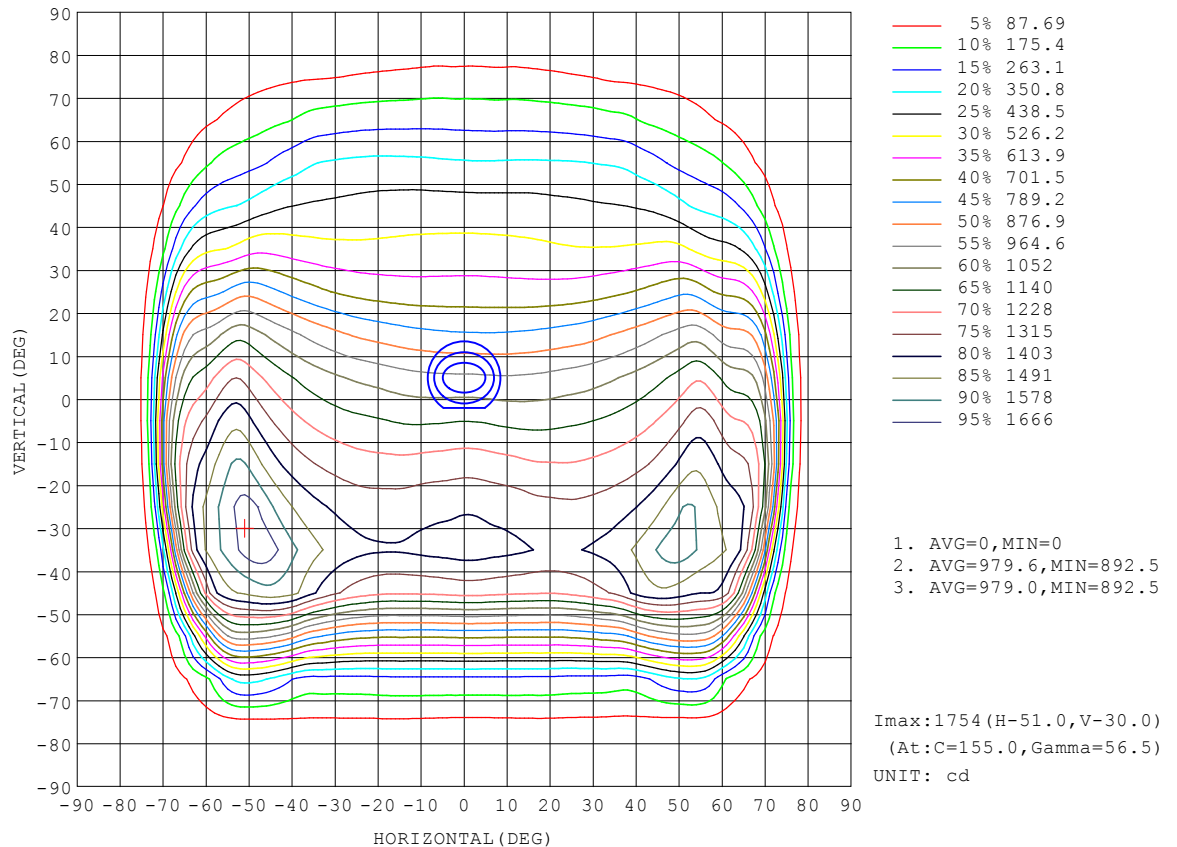
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	1059	1113	1138	1116	1064	1006	980.9	1002	0- 5	25.40	25.40	0.64,0.64
10	1050	1153	1209	1160	1062	950.1	894.7	940.2	5- 10	75.50	100.9	2.55,2.55
15	1053	1194	1278	1205	1071	898.5	797.9	883.7	10- 15	124.5	225.4	5.7,5.7
20	1066	1231	1348	1247	1093	831.8	701.2	816.6	15- 20	172.0	397.3	10.1,10.1
25	1082	1271	1394	1292	1110	764.2	648.9	747.4	20- 25	217.9	615.3	15.6,15.6
30	1098	1310	1439	1334	1128	705.6	596.6	688.3	25- 30	262.3	877.6	22.2,22.2
35	1120	1345	1449	1373	1155	644.5	555.5	628.8	30- 35	304.9	1182	29.9,29.9
40	1150	1385	1458	1418	1194	578.6	514.3	564.2	35- 40	344.8	1527	38.6,38.6
45	1193	1422	1262	1456	1251	542.1	475.0	526.9	40- 45	379.4	1907	48.2,48.2
50	1253	1463	1065	1507	1332	493.8	435.6	482.3	45- 50	403.9	2311	58.5,58.5
55	1294	1346	722.0	1392	1400	446.9	357.1	437.4	50- 55	416.7	2727	69,69
60	1194	1199	378.6	1242	1296	388.9	278.6	382.5	55- 60	393.8	3121	79,79
65	1157	691.1	239.6	725.6	1202	295.5	231.7	288.3	60- 65	335.4	3456	87.5,87.5
70	919.3	327.2	100.6	351.6	881.2	197.2	184.9	187.9	65- 70	267.8	3724	94.2,94.2
75	195.8	118.9	70.12	132.5	131.4	117.0	116.2	107.9	70- 75	156.0	3880	98.2,98.2
80	52.09	57.59	39.63	64.31	42.85	61.55	47.55	55.88	75- 80	50.57	3931	99.5,99.5
85	25.85	14.82	0	16.07	17.15	13.12	0	11.67	80- 85	18.10	3949	99.9,99.9
90	15.07	0	0	0	12.65	0	0	0	85- 90	2.778	3952	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-24

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

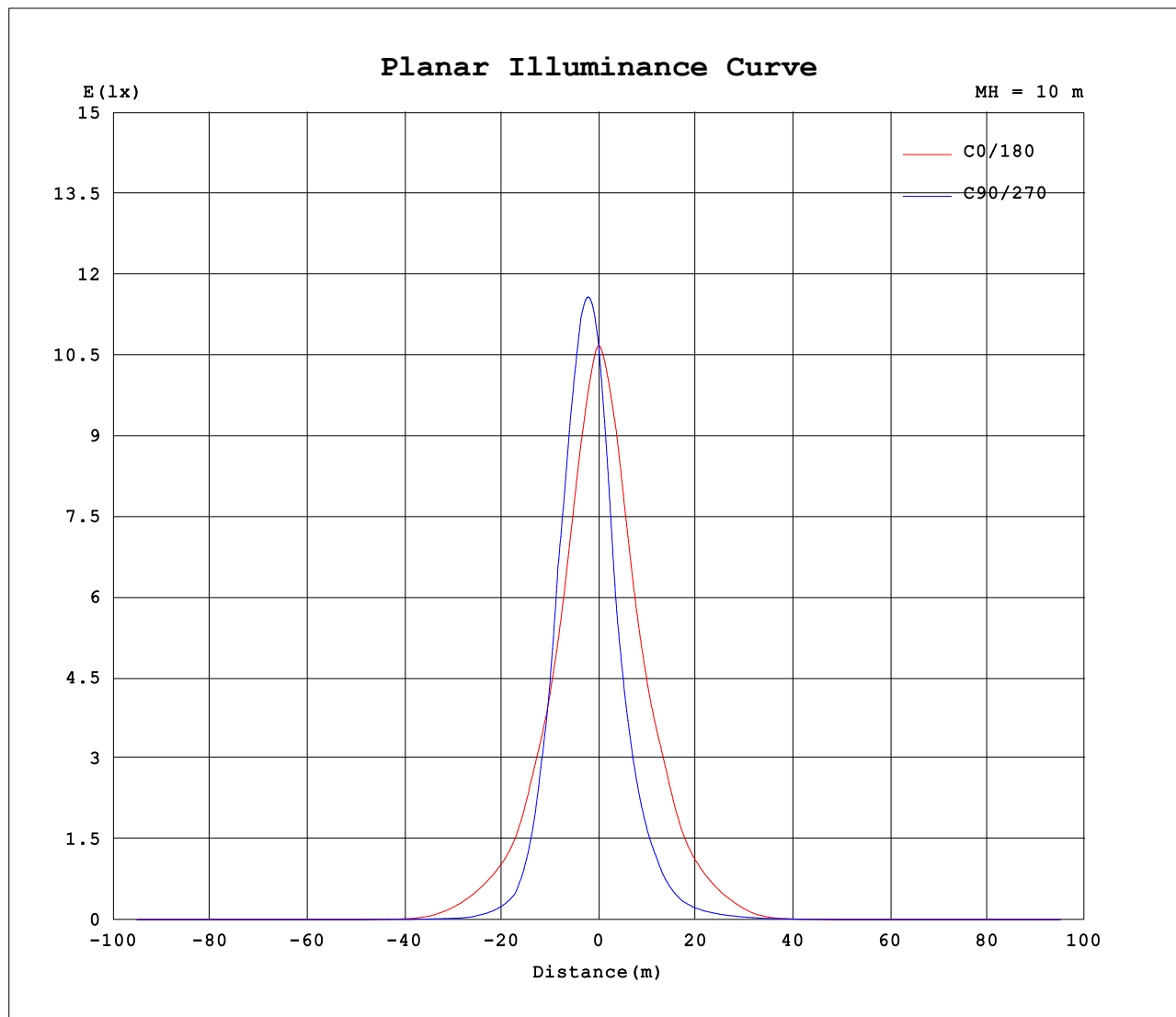
Test:U:220.8V I:0.1173A P:25.36W PF:0.9792 Lamp Flux:3951.65x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



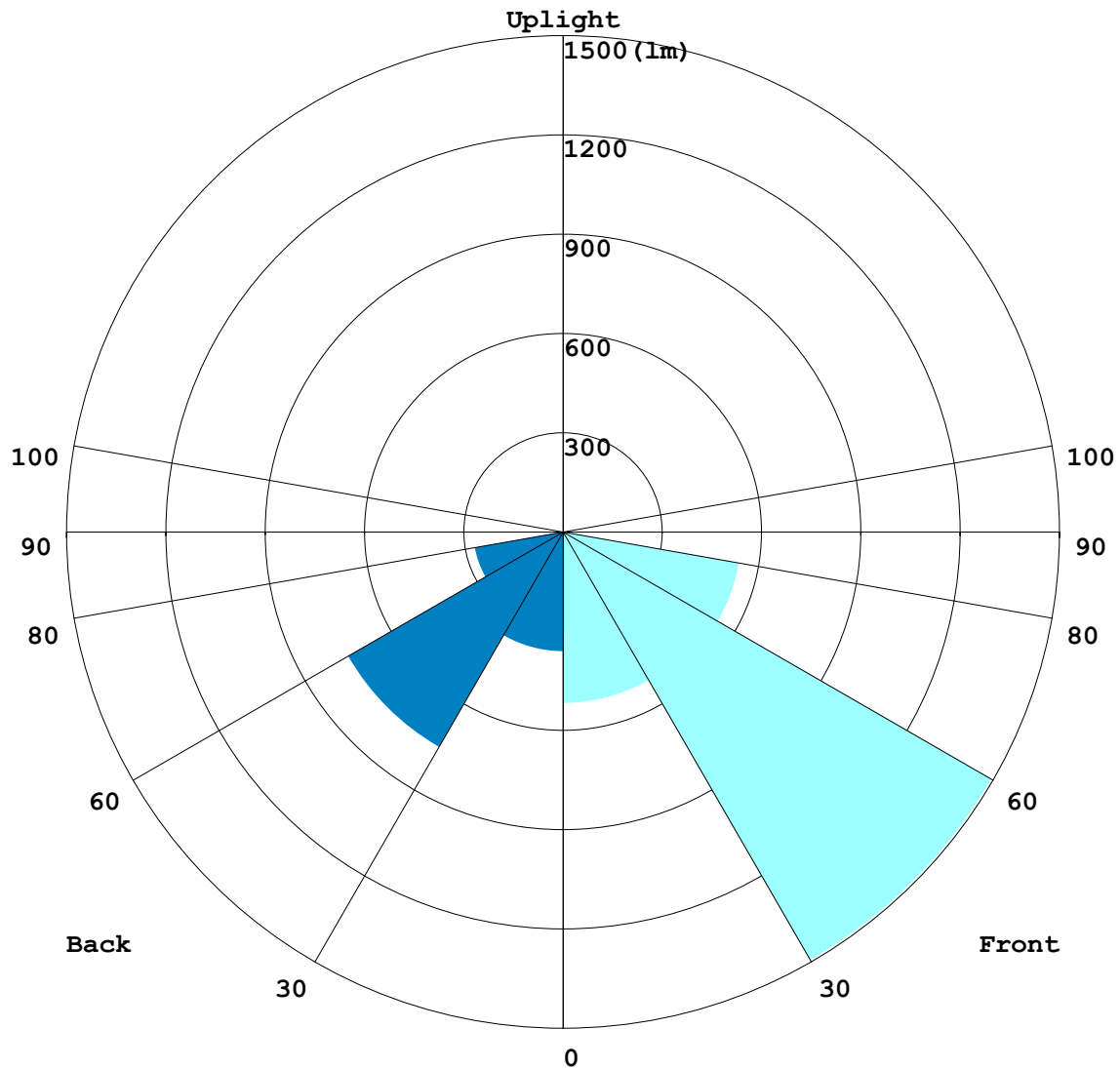
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.8V I:0.1173A P:25.36W PF:0.9792 Lamp Flux:3951.65x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.8V I:0.1173A P:25.36W PF:0.9792 Lamp Flux:3951.65x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	517.41	13.1
FM - Front-Medium(30-60)	1493.2	37.8
FH - Front-High(60-80)	539.34	13.6
FVH - Front-Very High(80-90)	11.53	0.3
Total Forward Light	2561.4	64.8

BL - Back-Low(0-30)	360.17	9.1
BM - Back-Medium(30-60)	750.35	19.0
BH - Back-High(60-80)	270.35	6.8
BVH - Back-Very High(80-90)	9.3446	0.2
Total Back Light	1390.2	35.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1390.2	0	1390.2
Street Side	2561.4	0	2561.4

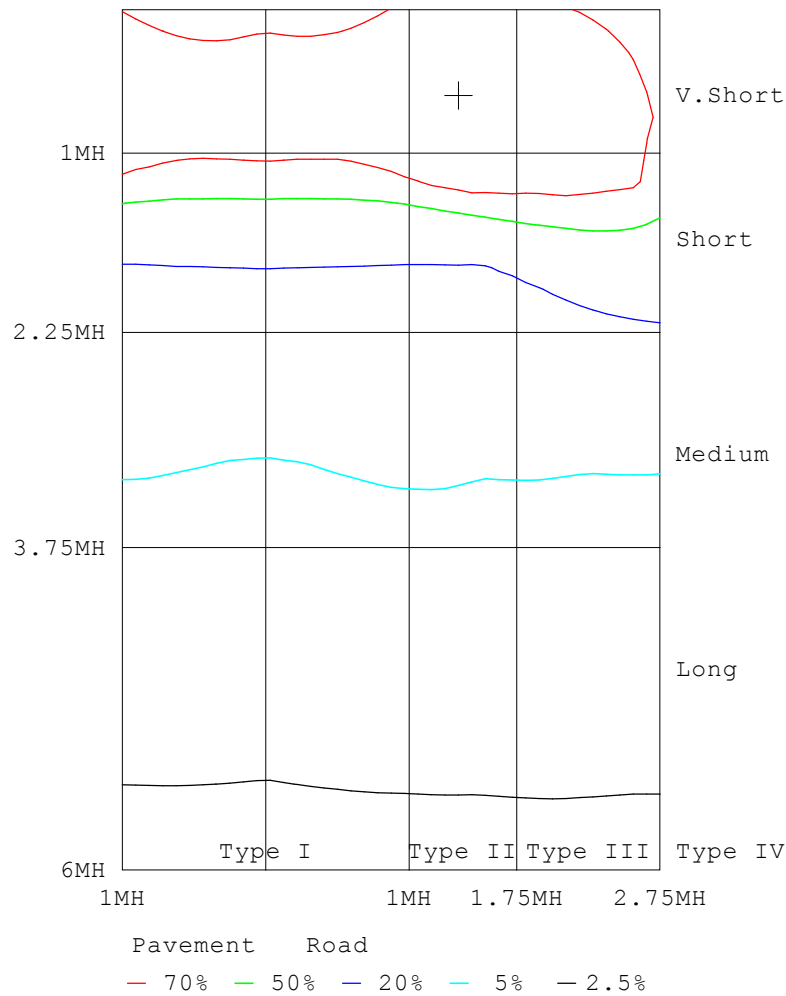
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.1173A P:25.36W PF:0.9792 Lamp Flux:3951.65x1 lm		
NAME: OPCITYIII-25W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```